Kirsten M Spann

List of Publications by Year
in descending order

63 papers	3,164 citations	186209 28 h-index	161767 54 g-index
68 all docs	68 docs citations	68 times ranked	4286 citing authors

#	Article	IF	Citations
1	Targeting the P2Y₁₃ Receptor Suppresses IL-33 and HMGB1 Release and Ameliorates Experimental Asthma. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 300-312.	2.5	33
2	MLKL Regulates Rapid Cell Death-independent HMGB1 Release in RSV Infected Airway Epithelial Cells. Frontiers in Cell and Developmental Biology, 2022, 10, .	1.8	3
3	TiO₂ Nanostructures That Reduce the Infectivity of Human Respiratory Viruses Including SARS-CoV-2. ACS Biomaterials Science and Engineering, 2022, 8, 2954-2959.	2.6	5
4	The role of respiratory droplet physicochemistry in limiting and promoting the airborne transmission of human coronaviruses: A critical review. Environmental Pollution, 2021, 276, 115767.	3.7	50
5	Humidity-Dependent Survival of an Airborne Influenza A Virus: Practical Implications for Controlling Airborne Viruses. Environmental Science and Technology Letters, 2021, 8, 412-418.	3.9	25
6	COPD Is Associated with Elevated IFN-Î² Production by Bronchial Epithelial Cells Infected with RSV or hMPV. Viruses, 2021, 13, 911.	1.5	4
7	Low Genetic Diversity of Hepatitis B Virus Surface Gene amongst Australian Blood Donors. Viruses, 2021, 13, 1275.	1.5	3
8	Utility of Three Nebulizers in Investigating the Infectivity of Airborne Viruses. Applied and Environmental Microbiology, 2021, 87, e0049721.	1.4	9
9	Prevalence of Neutralising Antibodies to HCoV-NL63 in Healthy Adults in Australia. Viruses, 2021, 13, 1618.	1.5	3
10	2021 Taxonomic update of phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2021, 166, 3513-3566.	0.9	62
11	Susceptibility of an Airborne Common Cold Virus to Relative Humidity. Environmental Science & Technology, 2021, 55, 499-508.	4.6	40
12	Innate Immunity in the Middle Ear Mucosa. Frontiers in Cellular and Infection Microbiology, 2021, 11, 764772.	1.8	7
13	Ancestral Area Reconstruction of SARS-CoV-2 Indicates Multiple Sources of Entry into Australia. Open Bioinformatics Journal, 2021, 14, 13-20.	1.0	0
14	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscleÂremodelling. PLoS Pathogens, 2020, 16, e1008651.	2.1	31
15	2020 taxonomic update for phylum Negarnaviricota (Riboviria: Orthornavirae), including the large orders Bunyavirales and Mononegavirales. Archives of Virology, 2020, 165, 3023-3072.	0.9	184
16	Antiviral Nanostructured Surfaces Reduce the Viability of SARS-CoV-2. ACS Biomaterials Science and Engineering, 2020, 6, 4858-4861.	2.6	52
17	Antiviral and Antibacterial Nanostructured Surfaces with Excellent Mechanical Properties for Hospital Applications. ACS Biomaterials Science and Engineering, 2020, 6, 3608-3618.	2.6	88
18	Respiratory Syncytial Virus Infection Promotes Necroptosis and HMGB1 Release by Airway Epithelial Cells. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1358-1371.	2.5	85

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19	In Silico Analysis of Genetic Diversity of Human Hepatitis B Virus in Southeast Asia, Australia and New Zealand. Viruses, 2020, 12, 427.	1.5	3
20	Opinion to address the personal protective equipment shortage in the global community during the COVID-19 outbreak. Polymer Degradation and Stability, 2020, 176, 109162.	2.7	55
21	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
22	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
23	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
24	HMGB1 amplifies ILC2-induced type-2 inflammation and airway smooth muscle remodelling. , 2020, 16, e1008651.		0
25	Taxonomy of the order Mononegavirales: second update 2018. Archives of Virology, 2019, 164, 1233-1244.	0.9	70
26	Taxonomy of the order Mononegavirales: update 2019. Archives of Virology, 2019, 164, 1967-1980.	0.9	224
27	Plasmacytoid dendritic cells protect from viral bronchiolitis and asthma through semaphorin 4aâ€“mediated T reg expansion. Journal of Experimental Medicine, 2018, 215, 537-557.	4.2	65
28	The Impact of Early-Life Exposure to Air-borne Environmental Insults on the Function of the Airway Epithelium in Asthma. Annals of Global Health, 2018, 82, 28.	0.8	21
29	Chronic IL-33 expression predisposes to virus-induced asthma exacerbations by increasing type 2 inflammation and dampening antiviral immunity. Journal of Allergy and Clinical Immunology, 2018, 141, 1607-1619.e9.	1.5	64
30	The eukaryotic translation elongation factor 1A regulation of actin stress fibers is important for infectious RSV production. Virology Journal, 2018, 15, 182.	1.4	10
31	PGD2/DP2 receptor activation promotes severe viral bronchiolitis by suppressing IFN- Î» production. Science Translational Medicine, 2018, 10, .	5.8	49
32	The Absence of Interferon-Î² Promotor Stimulator-1 (IPS-1) Predisposes to Bronchiolitis and Asthma-like Pathology in Response to Pneumoviral Infection in Mice. Scientific Reports, 2017, 7, 2353.	1.6	12
33	Human Metapneumovirus Infection in Chronic Obstructive Pulmonary Disease: Impact of Glucocorticosteroids and Interferon. Journal of Infectious Diseases, 2017, 215, 1536-1545.	1.9	27
34	Human Metapneumovirus Impairs Apoptosis of Nasal Epithelial Cells in Asthma via HSP70. Journal of Innate Immunity, 2017, 9, 52-64.	1.8	20
35	RAGE deficiency predisposes mice to virus-induced paucigranulocytic asthma. ELife, 2017, 6, .	2.8	24
36	Differential neutrophil activation in viral infections: Enhanced <scp>TLR</scp>â€7/8â€mediated <scp>CXCL</scp>8 release in asthma. Respirology, 2016, 21, 172-179.	1.3	42

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37	DC-SIGN and L-SIGN Are Attachment Factors That Promote Infection of Target Cells by Human Metapneumovirus in the Presence or Absence of Cellular Glycosaminoglycans. Journal of Virology, 2016, 90, 7848-7863.	1.5	9
38	Aeroallergen-induced IL-33 predisposes to respiratory virusâ€“induced asthma by dampening antiviral immunity. Journal of Allergy and Clinical Immunology, 2016, 138, 1326-1337.	1.5	87
39	Binding of the eukaryotic translation elongation factor 1A with the 5â€™UTR of HIV-1 genomic RNA is important for reverse transcription. Virology Journal, 2015, 12, 118.	1.4	9
40	Specific Interaction between eEF1A and HIV RT Is Critical for HIV-1 Reverse Transcription and a Potential Anti-HIV Target. PLoS Pathogens, 2015, 11, e1005289.	2.1	16
41	A Mutant Tat Protein Inhibits HIV-1 Reverse Transcription by Targeting the Reverse Transcription Complex. Journal of Virology, 2015, 89, 4827-4836.	1.5	16
42	Human respiratory syncytial virus non-structural protein NS1 modifies miR-24 expression via transforming growth factor-Î². Journal of General Virology, 2015, 96, 3179-3191.	1.3	27
43	Viral and host factors determine innate immune responses in airway epithelial cells from children with wheeze and atopy. Thorax, 2014, 69, 918-925.	2.7	72
44	A HIV-1 Tat mutant protein disrupts HIV-1 Rev function by targeting the DEAD-box RNA helicase DDX1. Retrovirology, 2014, 11, 121.	0.9	28
45	IRF-3, IRF-7, and IPS-1 Promote Host Defense against Acute Human Metapneumovirus Infection in Neonatal Mice. American Journal of Pathology, 2014, 184, 1795-1806.	1.9	22
46	The Eukaryotic Elongation Factor 1A Is Critical for Genome Replication of the Paramyxovirus Respiratory Syncytial Virus. PLoS ONE, 2014, 9, e114447.	1.1	22
47	Toll-like receptor 7 gene deficiency and early-life Pneumovirus infection interact to predispose toward the development of asthma-like pathology in mice. Journal of Allergy and Clinical Immunology, 2013, 131, 1331-1339.e10.	1.5	59
48	The Human Respiratory Syncytial Virus Nonstructural Protein 1 Regulates Type I and Type II Interferon Pathways. Molecular and Cellular Proteomics, 2012, 11, 108-127.	2.5	45
49	Hendra virus: an emerging paramyxovirus in Australia. Lancet Infectious Diseases, The, 2012, 12, 799-807.	4.6	104
50	siRNA against the G gene of human metapneumovirus. Virology Journal, 2012, 9, 105.	1.4	8
51	Mutation of the elongin C binding domain of human respiratory syncytial virus non-structural protein 1 (NS1) results in degradation of NS1 and attenuation of the virus. Virology Journal, 2011, 8, 252.	1.4	15
52	Plasmacytoid Dendritic Cells Promote Host Defense against Acute Pneumovirus Infection via the TLR7â€“MyD88-Dependent Signaling Pathway. Journal of Immunology, 2011, 186, 5938-5948.	0.4	80
53	Codon stabilization analysis of the â€œ248â€•temperature sensitive mutation for increased phenotypic stability of respiratory syncytial virus vaccine candidates. Vaccine, 2009, 27, 5667-5676.	1.7	27
54	Alpha and Lambda Interferon Together Mediate Suppression of CD4 T Cells Induced by Respiratory Syncytial Virus. Journal of Virology, 2006, 80, 5032-5040.	1.5	101

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55	Effects of Nonstructural Proteins NS1 and NS2 of Human Respiratory Syncytial Virus on Interferon Regulatory Factor 3, NF-Î¹B, and Proinflammatory Cytokines. Journal of Virology, 2005, 79, 5353-5362.	1.5	246
56	RT-nested PCR detection of Mourilyan virus in Australian Penaeus monodon and its tissue distribution in healthy and moribund prawns. Diseases of Aquatic Organisms, 2005, 66, 91-104.	0.5	23
57	Suppression of the Induction of Alpha, Beta, and Gamma Interferons by the NS1 and NS2 Proteins of Human Respiratory Syncytial Virus in Human Epithelial Cells and Macrophages. Journal of Virology, 2004, 78, 4363-4369.	1.5	393
58	The Gene Encoding the Nucleocapsid Protein of Gill-Associated Nidovirus of Penaeus monodon Prawns Is Located Upstream of the Glycoprotein Gene. Journal of Virology, 2004, 78, 8935-8941.	1.5	31
59	Genetic Recombination during Coinfection of Two Mutants of Human Respiratory Syncytial Virus. Journal of Virology, 2003, 77, 11201-11211.	1.5	82
60	Detection of gill-associated virus (GAV) by in situ hybridization during acute and chronic infections of Penaeus monodon and P. esculentus. Diseases of Aquatic Organisms, 2003, 56, 1-10.	0.5	33
61	In situ detection of Australian gill-associated virus with a yellow head virus gene probe. Aquaculture, 2002, 205, 1-5.	1.7	19
62	Vertical transmission of gill-associated virus (GAV) in the black tiger prawn Penaeus monodon. Diseases of Aquatic Organisms, 2002, 50, 95-104.	0.5	55
63	Gill-associated virus of Penaeus monodon prawns: an invertebrate virus with ORF1a and ORF1b genes related to arteri- and coronaviruses. Journal of General Virology, 2000, 81, 1473-1484.	1.3	142